



# UN190-6DC ▶▶ (6V190Ah/10hr)

Orema DC Series Industrial Batteries provide superior high integrity and reliability for commercial, industrial and private applications. The maintenance-free, thick plate construction, designed for tough applications and repeated deep discharging makes the DC Series the definitive choice for robust Traction applications including Home Medical Equipment (HME), Electric Vehicle, Automated Guided Vehicles (AGV), Aerial Lifts, Floor Cleaning Equipment, Robotics, Materials Handling, Renewable Energy and Marine / RV applications.

## Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

## Specification

Nominal voltage	6
Number of cell	3
Design life	10
Length(mm/inch)	244 / 9.6
Width(mm/inch)	185 / 7.3
Height(mm/inch)	275 / 10.8
Total Height(mm/inch)	275 / 10.8
Approx. Weight(kg/lbs)	29 / 63.9

## Performance Characteristics

### • Ampere Hour Capacity

20HR ( 10.3A, 5.40V )-----	206.0AH
10HR ( 19.0A, 5.40V )-----	190.0AH
5HR ( 34.0A, 5.25V )-----	170.0AH
3HR ( 50A, 5.10V )-----	150.0AH
1HR ( 117A, 4.80V )-----	117.0AH

### • Minutes of Discharge

25A to 5.25V-----	435
56A to 5.10V-----	172
75A to 5.10V-----	118
85A to 5.10V-----	104
100A to 5.1V-----	83

### • Cranking Amps

32°F/0°C-----	800
0°F/-18°C-----	650

### • Internal resistance

Fully Charged battery 77°F(25°C)----- -- 3.5m

### • Operating temperature Range

Discharge-----	20~60°C
Charge-----	10~50°C
Storage-----	20~60°C

### • Self-Discharge

3% of capacity declined per month at 20°C

### • Max. Discharge Current 77°F(25°C)

1200A (5S)

### • Short circuit current

2855A

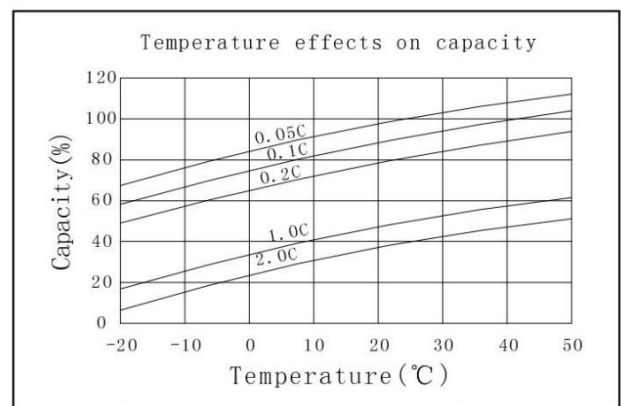
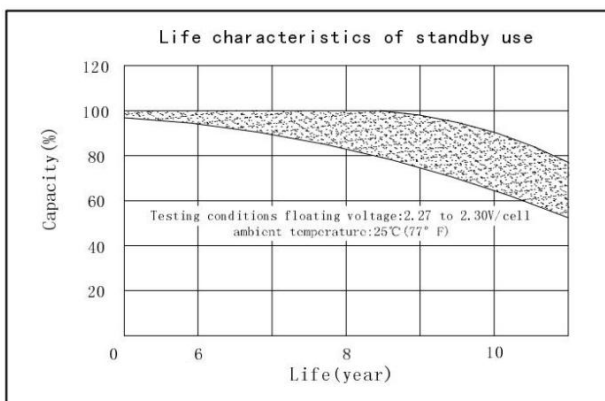
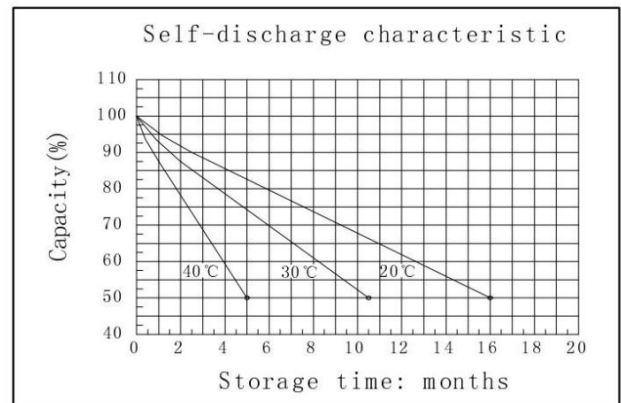
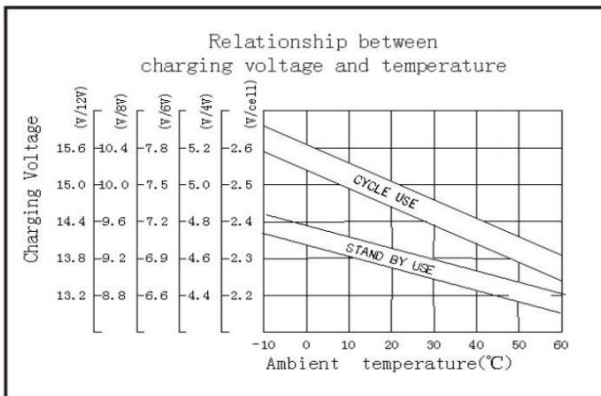
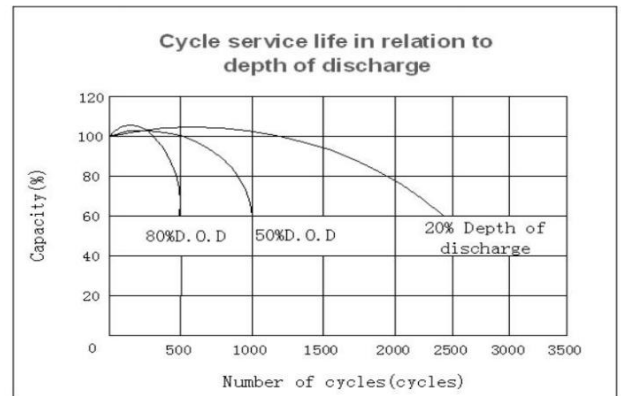
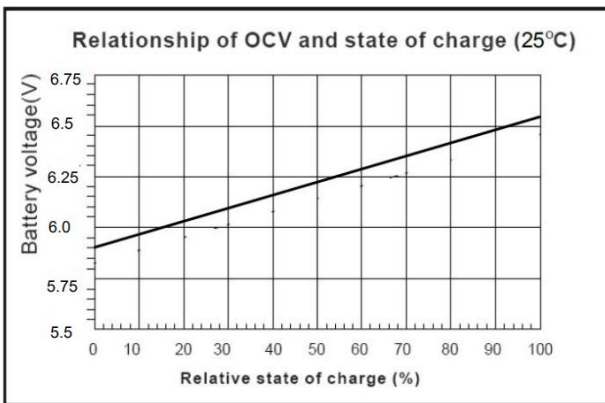
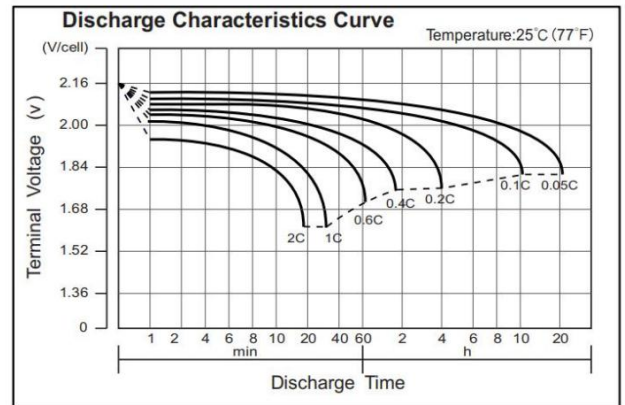
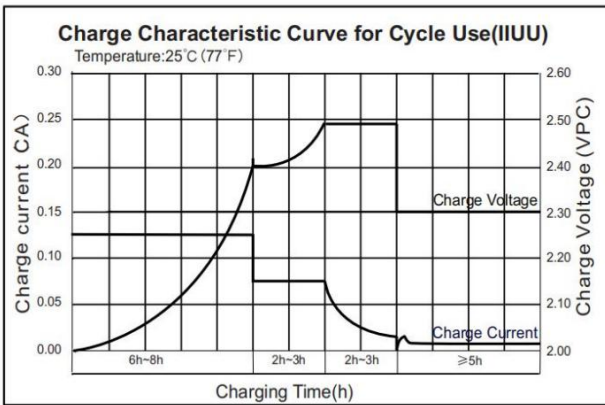
### • Charge(Constant Voltage)

Float-----	6.80~6.90 V/77°F/(25°C)
Cycle-----	7.35~7.45 V/77°F/(25°C)
Max. Current-----	38.0A



## General Feature

- Maintenance Free Clean & Green® choice of Original Equipment Manufacturers.
- Traction heavy duty grid design (PbCaSn) gives consistent active material adhesion and corrosion resistance.
- High impact reinforced copolymer and Polypropylene cases with flat top designs
- A recognized gas recombination efficiency of greater than 99.9%.
- Multiple terminal, configuration options and carrying handles available with most models.
- Classified as a non-spillable battery and is not restricted for transportation by:
  - Air (IATA/ICAO provision 67)
  - Surface (DOT-CFR-HMR49)
  - Water (per IMDG amendment 27).
- Compatible with sensitive electronic equipment.
- Comprehensive design to conserve resources, improve safety and reduce waste. 98% recyclable.



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